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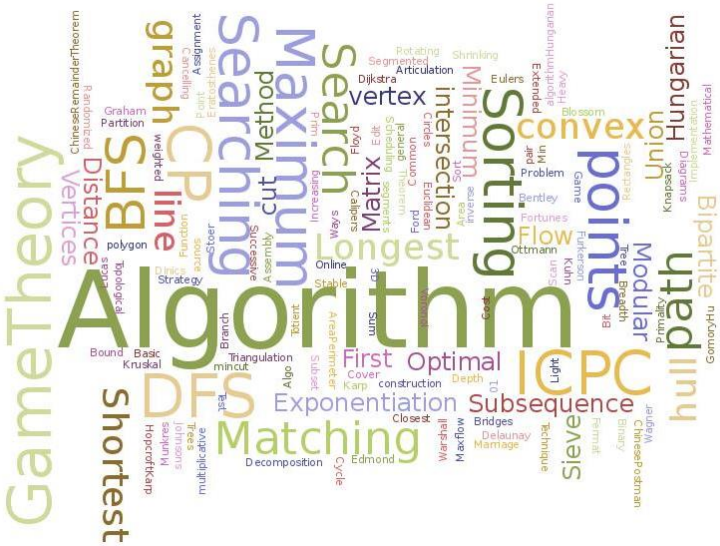
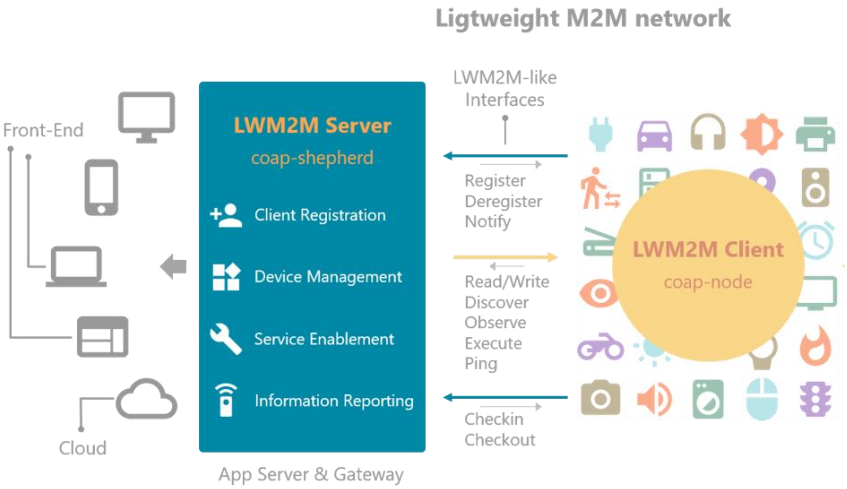
IOT FOR COMPUTER SCIENTISTS

Computer science and engineering has made a foundational contribution in the development of IoT systems. Right from development of drivers to integrate the sensory peripherals on edge devices to low power communication protocols to AI enabled business applications, there remains significant research and engineering challenges to address.

Operating systems for embedded devices are constantly evolving to balance between the functionality, latency and power consumption on end devices.



The next generation of networking systems and protocols are evolving to concurrently address distributed deployment topologies, duty cycling devices and shared wireless communications.



To manage the inter-operability complexity and lifecycle of heterogenous constrained devices on the network, standardization bodies like Open Mobile Alliance (OMA) are developing standards like Lightweight Machine to Machine (LWM2M) and Constrained Application Protocol (CoAP) for data and device management.

Capsule Labs is founded by IoT industry veterans and offers foundational IoT projects to develop a better understanding of IoT solution.